Invention disclosure submission. Complete all sections and send to the Nortel Patent Dept at:
OTTAWA, Canada: Patent Dept., 0255, NTPAT
or HARLOW, UK: Patent Dept., HALOS
or RICHARDSON, USA: Patent Dept. Mail Stop C-0419, RICH1

ID1048 No. Rec'd. 03 Jul 98



Attny/Agent

Invention Title

SDH/SONET Virtual Concatentation

Correspondence will be directed to the first-named inventor only.

(1) Full legal nam	e of first inv	entor (incli	ude middle	e initial	}-	Residence and	a post office	address if di	fferent		·
Russell	nown as:	Joi	hn:		Paul	21: The Orchad Sawbridgewor Herts					. ;
Global ID	· · .	. •		<u>.</u>		CM21 9BB			•		
3200755		:	100					<u> </u>	· · · · · · · · · · · · · · · · · · ·		<u> </u>
Phone 742-2631		HAL02	Depart GI4	1.	Mailstop	Occupation	• • •	. 75.5 200. j	Fax		
Signature	· · ·			Date	-	Citizen of				•	
	· · · · · · · · · · · · · · · · · · ·	<u> </u>			· · ·	UK		·			
(2) Name of supe	rvisor or div	isional hea	ed .			(5) Project Nur	mber	· 			
David Barriskill	• •					7539		•			•
lame of AVP Rep Peter Schudde					· ,	(6) Indicate yo		•			
Signaturė		,		Date		If Advanced Te	echnology, p	lease indicat	e which g	roup.	
echnical field	•		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u> </u>							
Fechnical field		n									
	itten descrip	otion.		W Market or Strate of the		Key words for	***************************************				
	itten descrip	ວຍ່ອກ. ···		# passes		Key words for	***************************************	catenation			
3) Date of first wr las this invention	ı been discu	ssed with		so, ple	ase complete	SDH, SONET	***************************************	catenation			
3). Date of first wr	n been discu To Whom?	ssed with Robert Fre		so, plea	ase complete	SDH, SONET	***************************************	d			***************************************
3) Date of first wr las this invention	n been discu To Whom? When?	ssed with Robert Fre 2/7/98	ınks		· .	Are you aware	, Virtual Con	nent future d			
3). Date of first wr las this invention Outside Nortel	n been discu To Whom? When?	ssed with Robert Fre 2/7/98 Agreemen	inks it in place!		· .	SDH, SONET	, Virtual Con	nent future d			
3) Date of first wi las this invention Outside Nortel Was there a Nor Inside Nortel	To Whom? When? m-Disclosure To Whom? When?	Agreemen Ewan Bew 3/7/98	nks It in place!		· .	Are you aware	Virtual Con	nent future d esented to E1	rsi TM1 in	their Nove	
3) Date of first wi las this invention Outside Nortel Was there a Nor Inside Nortel	To Whom? When? To Whom? To Whom? When? ts will use to	Agreement Sinventic E., TN16X, Lipment.	nks It in place! Itely In Place! TN64X a The ASIC:	Passumo	e sol sibly in plement this	Are you aware I expect this w meeting. (7) Is the invo	Virtual Constitution of any imminark to be presented in relevantion relevanties:	nent future d esented to ET nt to a Stand	rsi TM1 in	their Nove	ember
as this invention Outside Nortel Was there a Nor Inside Nortel 4) Which produc TN1X/C/P, TN4 some SONET to	To Whom? When? To Whom? To Whom? When? ts will use to	Agreement Sinventic E., TN16X, Lipment.	nks It in place! Itely In Place! TN64X a The ASIC:	Passumo	e sol sibly in plement this	Are you aware I expect this ware ting. (7) Is the involves If so give deta This work will meeting. Foll we expect that to solve the services.	of any immi rork to be pre- ention releva- ils: be presente owing that, i at Lucent will ame problem	nent future desented to ET nt to a Stand ed to ETSI Ti it will be take I want to prop	ards activ	ity? r. November T SG15; wiferent sche	ember er here ame
3). Date of first wind the string invention outside Nortel Was there a Nortel (4) Which production of the string invention o	To Whom? When? To Whom? To Whom? When? ts will use to	Agreement Sinventic E., TN16X, Lipment.	nks It in place! Itely In Place! TN64X a The ASIC:	Passumo	e sol sibly in plement this	Are you aware 1 expect this wineeting. (7) Is the involves if so give deta This work will meeting. Foll we expect tha	of any immi rork to be pre- ention releva- ils: be presente owing that, i at Lucent will ame problem	nent future desented to ETSI The twill be taken I want to property.	ards activ	ity? r. November T SG15; wiferent sche	ember er here ame
(4) Which produc TN1X/C/P, TN4 some SONET to	To Whom? When? To Whom? To Whom? When? ts will use to	Agreement Sinventic E., TN16X, Lipment.	nks It in place! Itely In Place! TN64X a The ASIC:	Passumo	e sol sibly in plement this	Are you aware I expect this wimeeting. (7) Is the involves If so give deta This work will meeting. Foll we expect that to solve the sign of the sign	of any immi rork to be pre- ention releva- ils: be presente owing that, i at Lucent will ame problem	nent future desented to ETSI The twill be taken I want to property.	ards activ	ity? r. November T SG15; wiferent sche	ember er here ame

TECHNICAL INFORMATION

No.

ID1048

(a) Brief description of the invention	:.	:	
The SDH LAN has already been described in patent submissions 0882, 0885, 0888, 0889, 0890, 0932. This new submis	ssio	n wa	ıs
previously described along with 0889 SDH LAN Mapping.	•		

(b) What is the problem solved by the Invention?

The specific problem is to carry traffic in channels of bandwidths which are greater than that offered by standard SDH virtual containers over disperate and heterogeneous networks.

			•	CHNICAL INF		ontinuea) *	• •	No.	ID1048
	c) What other solutionsee previous submis		een tried and wha	t were their sho	rtcomings?				
-	•		. •				.*	: .	
	1. Å 								
				\$ 1. \$	149 144 14	: .			
i !	100 100 100 100 100 100 100 100 100 100				ing.				
	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					: • :	ANTALA ANTALA ANTALA		
ST.	, · ·						. 1. 1		
					an Blancaur	vida biah laval d			
	(d) What are the spec These have already							ent attourney).	
				·					
		٠.							٠
	· ·				•				
		•	• • •			·			
						; .			•
			•						

Lucent and Alcatel will try to beat us to market with something similar.

(e) What is the commercial value of the invention to Nortel and Nortel's major competitors? (see guidelines) This idea is already in development and on the POR for roll out on several products during 1999.

· • • • •	****	j	Additional In	ventors / 0	Contractor Information	No.	ID1048
	(1) Full legal name of first	inventor (incl	ıde middle init	ial)	Residence address (and post office	address if different)	
•	Russell John Paul				21 The Orchards Sawbridgeworth		
	Global ID 3200755				Herts		
	Phone 742-2631	Location HAL02	Department GI41	Mailstop	Occupation	Fax	
	Signature		Date	• .	Citizen of		
			•	:	UK	• :	
•	Contractor Information	J10394 F 4 1	95: ST		Any other agreement(s) with your agency	/-	
•	Agency worked for		٠,		Please Make a Selection		·
	Non disclosure agreement v	with Nortel		:	Please specify		
	Exhibit B of the Master Serv	ices agreemen	t with your agen	су			••
• •	Please Make a Selection	•		A.	<u> </u>	<u>. </u>	
3							
	(1) Full legal name of 2nd i	nventor (inclu	de middle initial)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Residence address (and post office	address if different)	
	Goodman	Mick		2712099			•
672.	Phone	Location	Department	Mailstop	Occupation	Fax	
-	Signature		Date		Citizen of		•
	Contractor Information	15 to 15 1		1	Any other agreement(s) with your agence	V	
	Agency worked for				Please Make a Selection	J •	
	Non disclosure agreement	with Nortel			Please specify		
	Please Make a Selection						
	Exhibit B of the Master Sen Please Make a Selection	vices agreemer	nt with your ager	icy			
	(1) Full legal name of 3rd i	nventor (inclui	de middle initial)		Residence address (and post office	address if different)	
	murton	chris		1071844			
	Phone	Location	Department	Mailstop	Occupation	Fax	
	Signature	_:	Date	<u> </u>	Citizen of		7
1	Contractor Information				Any other agreement(s) with your agence		
٠,	Agency worked for				Please Make a Selection		
	Non disclosure agreement	with Nortel			Please specify		
	Please Make a Selection						
	Exhibit B of the Master Ser	-	nt.with your age	ncy			
	Please Make a Selection	·			1		• • • • • • • • • • • • • • • • • • • •
•	· · ·	·		•			
	(1) Full legal name of 4th	inventor (inclu	de middie initial)		Residence address (and post office	address if different	}
٠	Ramsden	Chris		6161905			· · ·
•	Phone .	Location	Department	Meilstop	Occupation	Fax	
·	Signature		Date		Citizen of		
	Contractor Information				Any other agreement(s) with your agent	cy.	
	Agency worked for		•			•	
	Non disclosure agreement Please Make a Selection				Please specify Please Make a Selection		
	Exhibit B of the Master Ser Please Make a Selection	rvices agreeme	nt with your age	ncy		•	

Additional Inventors / Contractor Information (continued)

o ID1048

(1) Full legal name of 5th I	nventor (includ	te middle inItlal):		Residence address (and post office address if different)			
Shields	Jim						
Phone	Location	Department	Mailstop	Occupation	Fax		
Signature		Date		Citizen of			
Contractor Information Agency worked for			1	Any other agreement(s) with your agency. Please Make a Selection			
Non disclosure agreement Please Make a Selection				Please specify			
Exhibit B of the Master Ser Please Make a Selection		nt with your agend	-y ·				
(1) Full legal name of 6th i	inventor (inclu	de middle initial):	1	Residence address (and post office a	ddress if different)		
:							
Phone	Location	Department	Mailstop	Occupation	Fax		
Signature		Date		Citizen of			
Contractor Information Agency worked for				Any other agreement(s) with your agency. Please Make a Selection			
Non disclosure agreement	with Nortel		•	Please specify			
Please Make a Selection Exhibit B of the Master Ser		nt with your agen	σy				
Please Make a Selection					· · · · · · · · · · · · · · · · · · ·		
(1) Full legal name of 7th	inventor (inclu	de middle initial)		Residence address (and post office address if different)			
Phone	Location	Department	Mailstop	Occupation	Fax		
Signature		Date		Cltizen of			
Contractor Information	800 BB 1	14,70,70		Any other agreement(s) with your agency.			
Agency worked for	udba Ales A st			Please Make a Selection			
Non disclosure agreement Please Make a Selection				Please specify			
Exhibit 8 of the Master Ser Please Make a Selection	vices agreems	nt with your agen	су				
	•				, · .		
(1) Full legal name of 3th	inventor (inclu	de middle initial)		Residence address (and post office address if different)			
Phone	Location	Department	Mailstop	Occupation	Fax		
					<u> </u>		
Signature		Date [.]	;	Citizen of	· · · · · · · · · · · · · · · · · · ·		
Contractor Information Agency worked for			• .	Any other agreement(s) with your agency. Please Make a:Selection	٠,		
Non disclosure agreement Please Make a Selection	with Nortel		•	Please specify			
Exhibit B of the Master Se Please Make a Selection	rvices agreeme	nt with your agen	cy.	·			
- ,				1			